

GitHub - MinervaLabsResearch/SporaVaccination: Vaccinating against Spora ransomware: a proof-of-concept tool by Minerva

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Spora is presently among the most common ransomware families. For instance, it struck countless victims in the fake "[Chrome Font Pack Update](#)" campaign, encrypting victims' files even without having to communicate over the Internet. Minerva is releasing a proof-of-concept tool that is able to contain Spora infections by generating an infection marker that this ransomware seeks, to determine whether it's already running on the system.

The actual vaccination code can be found in the `VaccinateSpora()` method in `Program.cs` :

```
private bool VaccinateSpora()
{
    uint volumeSerialNumber, maxComponentLength;
    WinApi.FileSystemFeature fileSystemFlags;
    if (!WinApi.GetVolumeInformation(@"C:\", null, 0, out volumeSerialNumber, out maxComponentLength, out fileSystemFlags))
    {
        return false;
    }

    string mutexName = "m" + volumeSerialNumber;
    if (WinApi.CreateMutex(IntPtr.Zero, false, mutexName) == IntPtr.Zero)
    {
        return false;
    }

    return true;
}
```

Source: <https://github.com/MinervaLabsResearch/SporaVaccination>